UNIVERSITY OF NORTH CAROLINA CHARLOTTE | SCHOOL OF DATA SCIENCE

Updates from the Director

Hello Everyone,

Welcome back to campus and to a new semester! This edition of the SDS Newsletter is packed with events and opportunities from across the University and the Charlotte community. We start this Friday, with and Orientation for new and returning *grad students*. Next Thursday is the new student Convocation for *undergrads*. On Friday, August 23rd, join us for the SDS Kick-Off event—an excellent chance to network with peers, faculty, and staff, and grab some SDS SWAG!

Starting Monday, August 28th, we kick off our 2024 SDS Professional Seminars with Wells Fargo. The Health Informatics Seminar Series begins Wednesday at 4:00 pm, virtually. Note that the SDS Professional Seminars are in-person at the uptown campus. Check out the SDS Events Calendar for the full list of professional development and networking events.

You can also keep an eye out for additional events from the Career Center and the CCI Business Partners Program throughout the semester.

Pro-tip: For those of you new to the newsletter, be sure to download the full newsletter to access all content, including our Internship and jobs listings at the end.

Sincerely,
Josh

Call for Content: *Have a story to share, an event to highlight, or a job posting? Please feel to share it with us @ **sds-communications@charlotte.edu***

Important!

TO READ THE ENTIRE NEWSLETTER CLICK "VIEW ENTIRE MESSAGE" AT THE BOTTOM OF THIS EMAIL FOR JOB OPPORTUNITIES!

Welcome New Students- Things to Do!

- School of Data Science Kick Off Event - Friday, August 23rd from 11 am - 2:00 pm in the Halton Reading Room, located on the first floor of the library. Come join the School of Data Science Team and Student Organizations for pizza, t-shirts and lots of great information to kick off the year! We look forward to seeing you there!

All SDS Students:

- **Laptop Policy- Bring Your Own Device (BYOD)**- All students are required to have a personal laptop (PC or Mac). (Please note that Chromebooks, iPads, tablets, and mobile devices do not fulfill this requirement.) The NinerTech Store offers Niner Ready Bundles, including a laptop meeting these specifications and a discounted warranty.
- **Niner Course Pack**- Niner Course Pack is a textbook rental program that allows students to receive all their course materials ahead of time and save money. Enrollment is automatic and students are billed $20 per credit hour per term. If you wish to opt-out for Fall 2024, you can do so between July 20 and August 30—**opt-out link**.
- **Parking on Campus: Parking And Transportation Services (PATS)**- PATS is your one-stop shop for parking and campus transportation.
- **Student Health Insurance**- Students must have health insurance, either through their employer or parent or by purchasing Student Blue Student Health Insurance. Unless a waiver is completed, students will be automatically enrolled and billed for Student Blue coverage on their tuition account. Starting this year, students can select either the Value or Premium health insurance plans. For more details, visit the Student Health Insurance page.

SDS Undergrads- BS in Data Science:

- **Convocation 2025** - New Student Convocation is a campus tradition to welcome new students (first-year and transfer students) to Niner Nation! During the event, you will learn about Charlotte's traditions, mission, and values that drive Niner Pride and our campus community. After Convocation we HIGHLY recommend attending the **Student Organization Showcase and RecFest**. Visit **goldrush.charlotte.edu** for more information!
  - Location - Barnhardt Student Activity Center (SAC)
  - Time - doors open at 1:00 pm. Get there early to get your free t-shirt!!
- **School of Data Science Kick Off Event** - Friday, August 23rd from 11 am - 2:00 pm in the Halton Reading Room, located on the first floor of the library. Come join the School of Data Science Team and Student Organizations for pizza, t-shirts and lots of great information to kick off the year! We look forward to seeing you there!

SDS HIAN and DSBA Graduate Students:

- **SDS New and Continuing *GRADUATE* Student Orientation**– The SDS will

host a Fall Orientation & Town Hall for all DSBA & HIAN students. The event will be in-person on **Friday, August 16** from **11 AM - 1 PM**. Lunch will be served. It will be held on the main campus in Colvard South room 1040. **Register Here!**

- **Graduate Student Welcome Reception**: Saturday, Aug. 17, 12:30-2:30 pm, Hauser Alumni Pavilion. Campus-Wide Orientation for New Graduate Students- All of the incoming graduate students are invited to participate in a campus orientation and reception hosted by the Center for Graduate Life and Learning. Visit the NewGradPortal, where you can find for a smooth transition to grad school.

Program Updates
AND CAMPUS NEWS

Attention Sports Analytics Students - *Declare the Certificate!*

Students who are interested in the Sports Analytics Certificate who have completed an Introduction to STAT course along with a course in computer programming, data science or business computing are welcome to apply!

- **Sports Analytics Information Page**
- **Declaration Link**

Mark Your
CALENDAR

- **August 18** - New Student Convocation
- **August 19** - First day of classes - Fall Semester

- **August 23** - School of Data Science Kick Off Event
- **August 26** - Last day to add/drop course
- **August 27** - Second cancellation for non-payment
- **August 30** - Census date for Fall Enrollment
- **August 30** - Last Day to Opt Out Niner Course Pack
- **August 31** - No Saturday Classes
- **September 2** - Labor Day – No Classes – University Closed

Below is a list of upcoming campus events for all students and faculty. These are opportunities to learn and network! We hope you can participate and encourage your students to engage.

SDS Monday Professional Seminars Are BACK!

The Monday seminars are your way to meet with national and local employers, learn about their company, its data challenges, and career opportunities. Every Monday from 4:00-5:00 pm the SDS is pleased to welcome respresentatives from financial services, manufacturing, retail and health care. Make a plan to join us each week at the Dubois Center. Find the full list for fall HERE and register to attend. We kick off this year's series will Wells Fargo and their Model Risk team.

- **Introduction to Wells Fargo Externship Program- Monday, August 26, 2024 | 4:00 pm to 5:00 pm | Room 502** Are you a student passionate about data analytics and risk management? Corporate Risk's externship program at Wells Fargo offers you hands-on experience with innovative teams while you're still in school. This program is open to undergraduate seniors, Master's, and Ph.D. students, providing opportunities to explore Corporate Risk, develop skills through real-world projects, and build a career foundation in risk management. Teams include Model Risk Management, Risk Modeling Group, and Independent Testing and Validation. Join us to learn from industry experts and advance your career. Presenters include Shelley Rochester, Jackie Venigalla, Tim Schieding, and Avantika Priya. Learn more about our speaker and register HERE.
- **A Day In The Life Of A Data Scientist at Siemens Energy- Monday, September 9, 2024| 4:00 pm to 5:00 pm | Room 502** Siemens Energy, a leader in sustainable energy, uses data science to boost operations and strategies. This presentation will reveal how data scientists at Siemens Energy analyze trends, develop analytics solutions, and tackle challenges like predictive maintenance and supply chain optimization. It will also highlight how the company nurtures a strong data science community through knowledge sharing and collaboration, enhancing skills and exploring new ideas. Discover how data science not only drives decision-making but also supports a smarter, more sustainable energy future. Matt Bryan, Head of Enterprise Data & Advanced Analytics in Manufacturing & Engineering will lead the presentation. Learn more about our speaker and register HERE.

Register Here Today!

Welcome to the SDS- New Faculty!

Summer often brings change, and this year we're excited to welcome several new faculty members to SDS. You can learn more about them on their individual faculty websites.

Michael Schuckers: Professor

Dr. Michael Schuckers joins UNC Charlotte as a professor, with deep expertise in sports data science. His research in ice hockey analytics and bioauthentication technologies has earned recognition from the American Statistical Association.

Michael Korvink: Adjunct Faculty

Michael Korvink is a Principal Data Scientist at Premier Inc., specializing in integrating Social Drivers of Health (SDOH) into healthcare analytics. With over a decade at Premier, his research on SDOH's impact on hospital rankings advocates for equity in healthcare. Michael also instructs at UNC Charlotte and pursues a Doctor of Public Health at the Medical College of Wisconsin. He will be co-teaching HCIP 5376 Introduction to Programming for Health Informatics this fall.

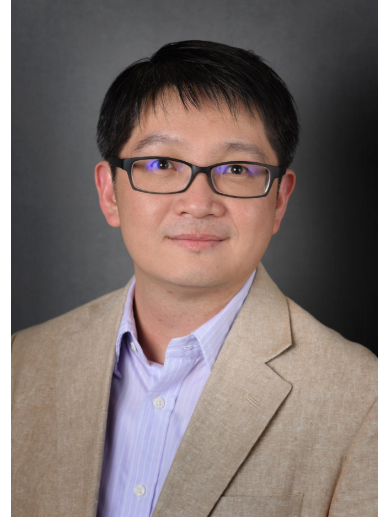**Sydney Westfall:** Adjunct Faculty

Sydney Westfall is a Data Scientist at Premier Inc. She specializes in and develops statistical models to enhance hospital performance. Her work on PINC AI™'s Clinical Health and Social Needs Index underscores her commitment to improving healthcare through data-driven insights. She will be co-teaching HCIP 5376 Introduction to Programming for Health

Informatics this fall.

Shih-Hsiung Chou: Adjunct Faculty

Dr. Shih-Hsiung Chou is a data scientist with deep expertise in big data analytics, machine learning, and artificial intelligence. He is currently a Senior Data Scientist at Advocate Health, where he utilizes advanced analytics to drive strategic decisions and enhance operational efficiency. Dr. Chou has held key positions at Atrium Health, where he specialized in predictive modeling, data visualization, and AI solutions.

New Executive in Residence: Agus Sudjianto

Agus Sudjianto, a highly accomplished risk management and quantitative methods expert with extensive experience in the financial services industry, is becoming an Executive in Residence for the School of Data Science. He will also be co-teaching a class on MLM with Professor Robert Fox this fall at SDS. Agus recently retired as Executive Vice President and Head of Corporate Model Risk at Wells Fargo, where he served for over 11 years.

Read more!

New Director of Research for SDS: Dr. Jason Windett

The School of Data Science welcomes Dr. Jason Windett as its new Director of

Research, effective July 2024. He is taking over the role of Dr. Dongsang Zhang, the new Interim Executive Director for the School. With a joint appointment as a Professor of Political Science, Public Policy, and Data Science, Dr. Windett brings extensive expertise in American politics and data-driven research.

Read more!

Resources

Attention SDS Students: Free Access to DataCamp!

The School of Data Science and the College of Computing and Informatics have partnered with DataCamp to offer free access to all SDS students, faculty, and staff. DataCamp is an online platform that helps you build essential skills in Statistics, Python, and R, while keeping you updated on the latest tools and techniques in data science. To gain access for free, create a DataCamp account with your @charlotte.edu email and then submit **this form**.

Burtch Works 2024 Data Science & AI Professionals Salary Report

Burtch Works is a specialized Data, Analytics, and Technology talent solutions and insights company. They just released their **annual survey and report** on market trends in the field for 2024. The 2024 report includes an analysis of salaries across job levels and industries, demographic insights, and industry

developments regarding data science and AII. They also have a website with all kinds of resources for job seekers.

The NC Technology Association (NC TECH)- Latest Report on the IT Job Landscape

The NC Technology Association (NC TECH) has unveiled its latest update on the state's IT job landscape through its new, comprehensive IT Job Trends Dashboard.

Specialized Job Search Resources for Data Science and Analytics

Jobs & Internship Sites:

- Hire-A-Niner: **hireaniner.charlotte.edu**
- Dice.com: **www.dice.com/jobs**
- The Muse: **www.themuse.com**
- Data Jobs: **datajobs.com**
- Hire Tech Ladies: **www.hiretechladies.com**
- Uncubed: **uncubed.com**
- Crunchboard: **crunchboard.com/jobs**
- Just Tech Jobs: **justtechjobs.com**
- Wellfound (tech startup jobs): **wellfound.com/jobs**
- Product Hunt: **producthunt.com/jobs**

Resources for International Students

- H1-B Employer Data Hub: **uscis.gov/h-1b-data-hub**
- MyVisaJobs: **www.myvisajobs.com**
- OPTNation: **www.optnation.com**
- **Ultimate H1-B Sponsor Checker** (for LinkedIn and Indeed)

Other Events
AND WORKSHOPS

Sign Up Now for Women in Data's 2024 Datathon!

Registrations are open for our Datathon starting September 13th! This year's theme is "GenAI Playbook." Explore generative AI systems like chatbots and multimodal AI to uncover their benefits, drawbacks, and best use cases. **Join a team or sign up today!**

Summit for Women in Tech

September 25-26 | New Bern, NC

Join NC TECH, presenting sponsor Blue Cross Blue Shield of North Carolina, and women from across North Carolina for the fourth annual Summit for Women in Tech in New Bern, NC, September 25-26. This women-only summit will feature candid conversations with women tech leaders where we explore gender bias, share our unique journeys, discuss how to shift the paradigm, and provide insights on advocating for change both now and for the next generation. Full details and registration.

NCHIMSS Annual Conference: Building the Future of Healthcare Together

October 10-11 | Wrightsville Beach, NC

The North Carolina Chapter of the Healthcare Information and Management Systems Society (NCHIMSS) aims to enhance healthcare in North Carolina through information and technology. We offer distinctive educational and networking opportunities for healthcare providers and IT leaders across the state, promoting the exchange of ideas to tackle the evolving challenges in healthcare. Join us at our annual conference to network with top professionals and advance your knowledge in healthcare IT! More information.

All Things Open Conference

Dive into the world of open source at All Things Open, a tech conference for designers, developers, and tech enthusiasts. Full details.

Campus Resources and Policies

Academic Integrity

The University of North Carolina at Charlotte embraces an academic community committed to fostering teaching, scholarship, service, inclusion, and the overall growth of its students. At the heart of this community lies a fundamental value: academic integrity. We recognize the significance of cultivating an environment that upholds honesty, fairness, trust, respect, and shared accountability. We encourage all students to review and understand the University's Code of Student Academic Integrity.

FERPA Reminders

The Family Educational Rights and Privacy Act (FERPA) was enacted in 1974. The primary purpose of FERPA is to protect the privacy of student information, and this protection is achieved by controlling access to and disclosure of students' education records. Faculty, staff, and administrative officers at UNC Charlotte are required by FERPA to treat education records confidentially, unless a legal exception applies, or the student provides written consent to disclose.

Data Science and Health Analytics In The NEWS

These are stories collected from a variety of newsletters and websites:

From the Washington Post

[Who will control the future of AI?](#)- Sam Altman, co-founder and CEO of OpenAI discusses the urgent question is whether the future of AI will be shaped by democratic values and global benefit or by authoritarian control and power consolidation. (July 25, 2024)

American Medical Informatics Association

From the [American Medical Informatics Association (AMIA)](#) SmartBrief's Newsletter. This weekly publication shares news and insights Health informatics.

- Tripathi offers rationale for HHS tech reorganization- In this interview, Micky Tripathi, HHS' assistant secretary for technology policy, national coordinator for health information technology and acting chief AI officer, explains the rationale behind the department's recent reorganization to streamline technology, cybersecurity, data and artificial intelligence strategy and policy. Tripathi says the department is working with the market and partners in health information technology, as well as with agencies such as CMS, FDA, CDC and NIH. Full Story: Federal News Network/WFED-AM (Washington, D.C.) (8/12)

Data Science Current

A monthly newsletter from the Data Science Council of America.

- **Gemma Scope: Google's Microscope for Peering into AI's Thought Process** - Introduction In Artificial Intelligence, Understanding the underlying workings of language models has proven to be significant and difficult. Google has made a significant step forward in tackling this issue by releasing Gemma Scope, a comprehensive package of tools to assist researchers in peering inside the "black box" of AI language models. (Analytics Vidhya-AUGUST 3, 2024)
- **3 Ways of Building Python Projects using GPT-4o** - Learn about essential AI tools that can help you develop Python projects faster and with fewer bugs using natural language. (KDnuggets- AUGUST 7, 2024)

Other Newsletters and Resources:

- **Data Science Community Newsletter**- One more resource to

keep in the know for new tools, events, job postings, and developing trends in data science. Download this month's newsletter **HERE**.

- **KDnuggets**- KDnuggets is an online site for Data Science, Machine Learning, AI, and Analytics, edited by Matthew Mayo. KD stands for Knowledge Discovery.

- **SouthBDHub**- A monthly newsletter lists news, events, and opportunities in data science, analytics, engineering, and policy.

- **empowHERed**- Focuses on women in the sports industry they offer webinars, a newsletter, and networking events to our Mentor Program and Career Pipeline.

- **Kaggle**- Kaggle, owned by Google LLC, is a platform and community for data scientists and machine learning practitioners. Users can discover and share datasets, create models in a web-based environment, collaborate with others, and compete in data science challenges.
- **Medium**- Medium is an open-source online publishing platform where anyone can publish and share insightful perspectives and useful knowledge. In addition to their website, they also publish a daily e-newsletter.

Looking for more internships and job postings? Log into Hire-a-Niner or use their convenient School of Data Science aggregator.

Below you will find a current listing of postings that have been shared with the SDS team or posted on the **Career Center's Hire-a-Niner site**. We encourage you not only to apply for specific postings but also to explore and familiarize yourself with the companies and organizations actively recruiting UNC Charlotte and SDS students. In addition to these postings, we strongly encourage you to build your professional network through the Monday SDS Professional Seminars, CCI Business Partner's Program, and various networking events scheduled throughout the semester.

Featured

JOBS AND INTERNSHIPS

Four featured positions -one job, one internship, and a new assistantship opportunity. For your information, Wells Fargo will kick off our fall Professional Seminar series on August 26th at the Dubois Center. Keep an eye on the SDS events calendar for details and registration!

- **Important Announcement: Presidential Management Fellows (PMF) Class of 2025 Application Cycle**- The PMF Class of 2025 Application Cycle will open on Wednesday, September 4, 2024 and close on Wednesday, September 18, 2024. Throughout August 2024, PMF will also host informational webinars for potential applicants. These will provide an overview of the PMF Program and details about the 2025 application cycle. The schedule will be posted on the PMF 2025 Application section of our website.
- **HRIS Data Analysis/Systems Administrator**, Atlanta, GA
- **Senior Full Stack Developer**: We are seeking an experienced Senior Full

Stack Developer with a strong background in fixed-income trade capture for a major banking institution. The ideal candidate will have over 10 years of software development experience, with extensive expertise in the .NET Framework and server-side programming, including Windows services and WCF. You should be proficient in messaging protocols such as FIX, TCP/IP, and JMS-based messaging, and have 8+ years of experience in ALGO development for high-performance, high-availability systems. Experience with Java Market Data, Low Latency, and Java Kafka is also required. The role involves managing front-to-back trade flows, complete trade and position management, and performing data QC checks and QA for UI. Strong problem-solving skills, a thorough understanding of the full development lifecycle, and familiarity with systems like CATI, Oscar, and NCLx are essential. The submission deadline is August 20th at 12:00 PM. **Submit Resume Here.**

Internships

- **2025 Summer Intern: eCommerce Data Science**, Pepsico, New York, NY
- **2025 Data Science Analyst Program- Summer Analyst**, JPMorganChase, Chicago, IL
- **SF Summer Data Science Internship**, Asana, San Francisco, CA
- **2025 Data Analytics Summer Intern**, U.S. Bank, Minneapolis, MN
- **Global Quantitative Analytics Summer 2025 Analyst**, Bank of America, Charlotte, NC

Jobs

- **Data Scientist - Machine Learning**, Instagram, Menlo Park, CA
- **Data Scientist**, Booz Allen Hamilton, Colorado Springs, CO
- **BI Engineer** - Tableau, Saks, New York, NY
- **Data Scientist**, BetterHelp, Remote
- **Data Scientist**, AstrumU, Bellevue, WA
- **HRIS Data Analysis/Systems Administrator**, Garlock Flexibles, Atlanta, GA

Full Job List

Specialize Job Search Resources for Data Science and Analytics

Jobs & Internship Sites

- Hire-A-Niner: hireaniner.charlotte.edu

- Dice.com: www.dice.com/jobs
- The Muse: www.themuse.com
- Data Jobs: datajobs.com
- Hire Tech Ladies: www.hiretechladies.com
- Uncubed: uncubed.com
- Crunchboard: crunchboard.com/jobs
- Just Tech Jobs: justtechjobs.com
- Wellfound (tech startup jobs): wellfound.com/jobs
- Product Hunt: producthunt.com/jobs
- *New Resouce: NCTECH Job Board: https://ourmembers.nctech.org/jobs*

For international students:

- GoinGlobal: goinglobal.charlotte.edu
- H1-B Employer Data Hub: uscis.gov/h-1b-data-hub
- MyVisaJobs: www.myvisajobs.com
- OPTNation: www.optnation.com
- Ultimate H1-B Sponsor Checker (for LinkedIn and Indeed)

Alumni

CORNER

Alumni Recruitment: UNC Charlotte's Career Center

Interested in recruiting talented UNC Charlotte students and graduates? We remind you that as an alumni, Hire-A-Niner is still available to you- **as an employer**. Here's what you can do:

- **Post jobs and internships**: Reach a wide range of students, or target specifically by major (like Data Science) or program level (graduate/undergraduate).
- **Get featured in the School of Data Science (SDS) newsletter: Let us know when you post a relevant job, and we'll promote it to SDS students. Email Josh Hertel - at** jhertel@charlotte.edu **to share postings.**

Ready to get started? Visit https://hireaniner.charlotte.edu/ to set up your free Hire-A-Niner employer account. It's a quick and easy process. Questions? Contact our Employer Engagement Team at recruit@uncc.edu in the Career Center. We're happy to help and discuss other recruitment opportunities.